
Subject: Re: Using contour procedure to extract specific regions

Posted by [S. Murray](#) on Wed, 28 Jul 2010 11:52:22 GMT

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On Jul 28, 12:41 pm, "S. Murray" <murray_sop...@hotmail.com> wrote:

> I have a data array of an inclination angle, ranging from 0 to
> 180degrees, which when I plot an image of it shows about 3 specific
> regions that are greater than 130degrees. They basically look like
> 'blobs' on the image map. I need to specifically analyse one of the
> '130degree contour' blobs, not every single region picked out by
> simply contouring at level = 130. I will be analysing this specific
> location, taking averages, min, max, etc, in order to track it's
> changes over several different scans (I'm just looking at the first
> one for the moment). Also will need to plot images of it contoured on
> it's own on the map, rather than having everything else contoured as
> well. I am becoming very confused about how to go about it!

>
> First I thought I would try to look at it with all areas above
> 130degrees, and if that worked I could move onto more specific
> locations:

>
> thresh= data GE 130
> pmm,data*(thresh)
> 0.00000 174.172
>

> So, the result goes from 0 to 174, including the now '0' value area
> and that would be useless if I want to average the specific regions.
> So I abandoned this route.

>
Actaully, I just realised what I was doing wrong here (quite obvious
now I see). If I just 'pmm,data > 130' that'll show me the values. But
I am still unaware how to extract a region with the contouring
below...

> Then, I was reading this page:http://www.dfanning.com/map_tips/contoshape.html
> , and from that gathered that my first 'step' should be:

>
> contour, data,level=130,PATH_INFO=info, PATH_XY=xy, XSTYLE=1,
> YSTYLE=1,/PATH_DATA_COORDS
>

> But, after reading the 'contour.pro' explanation on the IDL webpage, I
> still dont understand exactly what is contained within path_info etc
> to know what to do next! How do I create image plots with these
> outputs like the one on the webpage?

>
> Basically, I need to figure out how do I use this information to
> 'segment' my data, and thus can plot a new image with just this region
> and also analyse it, but I'm stumped at this point and not sure which

- > direction to take. What would be my next step in this process? Any
 - > help would be greatly appreciated, I've been staring at this for too
 - > long now!
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